

IFW



Attorney Docket No. 12506US06

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

PATENT APPLICATION OF:

JOHN M. GASCOYNE,
SHANNA D. KNIGHTS,
THOMAS R. RALPH,
JARED L. TAYLOR and
DAVID P. WILKINSON

SERIAL NO. 10/781,234

FILED: February 18, 2004

FOR: FUEL CELL ANODE
STRUCTURES FOR VOLTAGE
REVERSAL TOLERANCE

GROUP ART UNIT: Not yet assigned

EXAMINER: Not yet assigned

CERTIFICATE OF MAILING

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May 19, 2004

Robert W. Fieseler
Robert W. Fieseler
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Attorney for Applicants

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Applicants submit herewith form PTO/SB/08A listing the cited references.

Applicants also submit herewith a copy of each of the foreign documents and other

publications cited, for consideration by the U.S. Patent and Trademark Office in connection with the above application.

<u>U.S. Patent No.</u>	<u>Inventor(s)</u>	<u>Date</u>
3,282,875	Connolly et al.	11/66
3,341,366	Hodgdon, Jr. et al.	03/67
4,329,435	Kimoto et al.	05/82
4,330,654	Ezzell et al.	05/82
4,358,545	Ezzell et al.	11/82
4,417,969	Ezzell et al.	11/83
4,433,082	Grot	02/84
4,610,762	Birdwell	09/86
4,738,872	Lee et al.	04/88
4,834,847	McIntyre	05/89
4,908,198	Weinberg	03/90
4,940,525	Ezzell et al.	07/90
5,094,995	Butt et al.	03/92
5,438,082	Helmer-Metzmann et al.	08/95
5,468,574	Ehrenberg et al.	11/95
5,595,676	Barnes et al.	01/97
5,599,639	Sansone et al.	02/97
5,766,787	Watanabe et al.	06/98
5,846,670	Watanabe et al.	12/98
5,945,231	Narayanan et al.	08/99
6,010,798	Hammerschmidt et al.	01/00
6,045,772	Szydlowski et al.	04/00
6,074,773	Wilkinson et al.	06/00
6,103,077	DeMarinis et al.	08/00
6,167,721	Tsenter	01/01
6,287,717	Cavalcae et al.	09/01
6,326,098	Itoh et al.	12/01
6,368,476	DeMarinis et al.	04/02
6,410,180	Cisar et al.	06/02
6,517,962	Knights et al.	02/03

<u>Foreign Patent No.</u>	<u>Country</u>	<u>Date</u>
WO 94/16002	PCT	07/94
WO 95/08581	PCT	03/95
WO 97/25369	PCT	07/97
WO 98/39809	PCT	09/98
WO 00/55933	PCT	09/00
WO 01/15247	PCT	03/01
WO 01/15249	PCT	03/01
WO 01/15254	PCT	03/01
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0 312 754	Europe	04/89
0 312 757	Europe	04/89
0 345 964	Europe	12/89
0 473 870	Europe	03/92
0 569 062	Europe	11/93
0 574 791	Europe	12/93
0 331 321	Europe	10/94
0 443 230	Europe	08/94
0 731 520	Europe	09/96
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0 791 974	Europe	01/00
0 872 906	Europe	10/00
1 045 467	Europe	10/00
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2 309 230	United Kingdom	07/97
197 09 199	Germany	09/98
6-196173	Japan	07/94
06-219706	Japan	08/94
11-67224	Japan	03/99

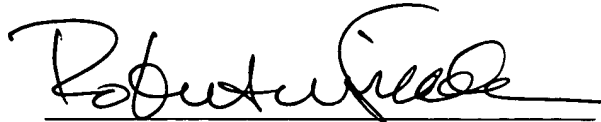
<u>Publication/Abstracts</u>	<u>Author(s)</u>	<u>Date</u>
"New Materials for Water Electrolysis and Photoelectrolysis," <i>Hydrogen Energy World Conference</i> , pp. 2065-2092	Savadogo	00/1996
"Regenerative Fuel Cell Subsystems," <i>Electrochemistry Course 869 at Simon Fraser University</i> , pp. 1-12	unknown	11/1996
Carbons As Supports For Precious Metal Catalysts," <i>Catalysis Today</i> , 7, pp.113-37,	Cameron et al.	00/1990

The above references are listed on the enclosed substitute Form PTO/SB/08A entitled "Information Disclosure Statement By Applicant."

This Information Disclosure Statement is being submitted before receipt of a first Office Action on the merits of the application.

Please charge any fees incurred in connection with this submission to Deposit
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Respectfully submitted,

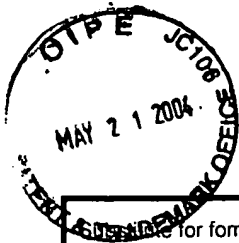
A handwritten signature in black ink, appearing to read "Robert W. Fieseler", written over a horizontal line.

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Dated: May 19, 2004



Use this form for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 1 of 3

Complete if Known

Application Number	10/781,234
Filing Date	February 18, 2004
First Named Inventor	John Gascoyne
Group Art Unit	Not assigned
Examiner Name	Not assigned
Attorney Docket Number	12506US06

U.S. PATENT DOCUMENTS

Examiner Initial*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	A1	3,282,875	11/1966	Connolly et al.	
	A2	3,341,366	03/1967	Hodgdon, Jr. et al.	
	A3	4,329,435	05/1982	Kimoto et al.	
	A4	4,330,654	05/1982	Ezzell et al.	
	A5	4,358,545	11/1982	Ezzell et al.	
	A6	4,417,969	11/1983	Ezzell et al.	
	A7	4,433,082	02/1984	Grot	
	A8	4,610,762	09/1986	Birdwell	
	A9	4,738,872	04/1988	Lee et al.	
	A10	4,834,847	05/1989	McIntyre	
	A11	4,908,198	03/1990	Weinberg	
	A12	4,940,525	07/1990	Ezzell et al.	
	A13	5,094,995	03/1992	Butt et al.	
	A14	5,438,082	08/1995	Helmer-Metzmann et al.	
	A15	5,468,574	11/1995	Ehrenberg et al.	
	A16	5,595,676	01/1997	Barnes et al.	
	A17	5,599,639	02/1997	Sansone et al.	
	A18	5,766,787	06/1998	Watanabe et al.	
	A19	5,846,670	12/1998	Watanabe et al.	
	A20	5,945,231	08/1999	Narayanan et al.	
	A21	6,010,798	01/2000	Hammerschmidt et al.	
	A22	6,045,772	04/2000	Szydlowski et al.	
	A23	6,074,774	06/2000	Wilkinson et al.	
	A24	6,103,077	08/2000	DeMarinis et al.	
	A25	6,167,721	01/2001	Tsenter	
	A26	6,287,717	09/2001	Cavalcae et al.	
	A27	6,326,098	12/2001	Itoh et al.	
	A28	6,368,476	04/2002	DeMarinis et al.	
	A29	6,410,180	06/2002	Cisar et al.	
	A30	6,517,962	02/2003	Knights et al.	

**EXAMINER
SIGNATURE****DATE CONSIDERED**

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard St. 16 if possible.

⁶Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450 Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. Send TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Complete if Known	
				Application Number	10/781,234
				Filing Date	February 18, 2004
				First Named Inventor	John Gascoyne
				Group Art Unit	Not assigned
				Examiner Name	Not assigned
Attorney Docket Number	12506US06				
Sheet	2	of	2		

U.S. PATENT DOCUMENTS					
Examiner Initial*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. ¹	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)					
	A31	WO 94/16002		07/1994	ALLIEDSIGNAL INC.		
	A32	WO 95/08581		03/1995	BALLARD		
	A33	WO 97/25369		07/1997	BALLARD		
	A34	WO 98/39809		09/1998	MAGNET-MOTOR		
	A35	WO 00/55933		09/2000	JOHNSON MATTHEY		
	A36	WO 01/15247		03/2001	BALLARD		
	A37	WO 01/15249		03/2001	BALLARD		
	A38	WO 01/15254		03/2001	BALLARD		
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	A40	EP 0 312 754		04/1989	Uhde GmbH		
	A41	EP 0 312 757		04/1989	Uhde GmbH		
	A42	EP 0 345 964		12/1989	IMPERIAL CHEMICAL INDUSTRIES		
	A43	EP 0 473 870		03/1992	Uhde GmbH		
	A44	EP 0 569 062		11/1993	GENERAL MOTORS CORP.		
	A45	EP 0 574 791		12/1993	HOECHST AKTIENGESELLSCHAFT		
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	A47	EP 0 443 230		08/1994	ATRAVERDA LIMITED		
	A48	EP 0 731 520		09/1996	JOHNSON MATTHEY		
	A49	EP 0 716 463		06/1996	TOYOTA JIDOSHA KABUSHIKI KAISHA		
	A50	EP 0 791 974		01/2000	JOHNSON MATTHEY		
	A51	EP 0 872 906		10/2000	DE NORA ELETTRODI S.P.A.		
	A52	EP 1 045 467		10/2000	GENERAL MOTORS CORP		

EXAMINER	DATE CONSIDERED
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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				Application Number	10/781,234
				Filing Date	February 18, 2004
				First Named Inventor	Not assigned
				Group Art Unit	Not assigned
				Examiner Name	Not assigned
Sheet	3	Of	3	Attorney Docket Number	12506US06

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Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
	A53	GB 2 217 627	11/1989	UHDE GmbH		
	A54	GB 2 309 230	07/1997	Atraverda Limited		
	A55	DE 197 09 199	09/1998	Magnet-Motor		
	A56	JP 6-196173	07/1994	MITSUBISHI ELECTRIC CORP.		
	A57	JP 06-219706	08/1994			
	A58	JP 11-67224	03/1999	ASAHI CHEM IND CO LTD		

OTHER ART -- NON PATENT LITERATURE DOCUMENTS		
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
	A59	SAVADOGO: "New Materials for Water Electrolysis and Photoelectrolysis," <i>Hydrogen Energy world Conference</i> , pp. 2065-2092, 1996
	A60	"Regenerative Fuel Cell subsystems," <i>Electrochemistry Course 869 at Simon Fraser University</i> , pp. 1-12, November 1996
	A61	CAMERON et al.: "Carbons As Supports For Precious Metal Catalysts," <i>Catalysis Today</i> , 7, pp. 113-137

EXAMINER	DATE CONSIDERED
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